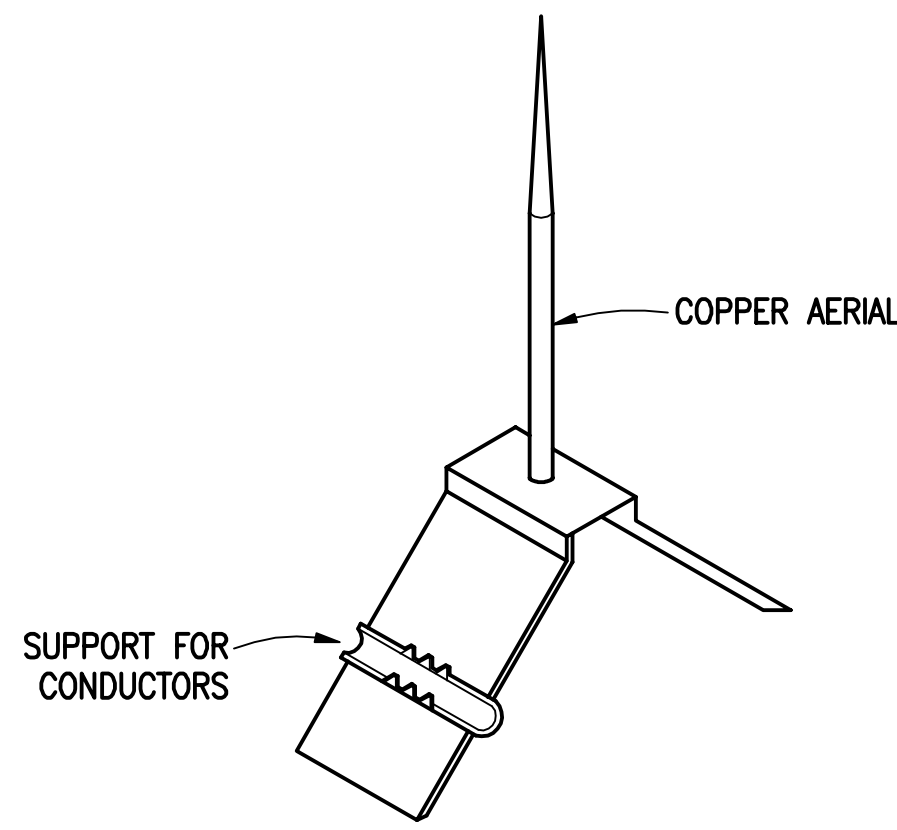
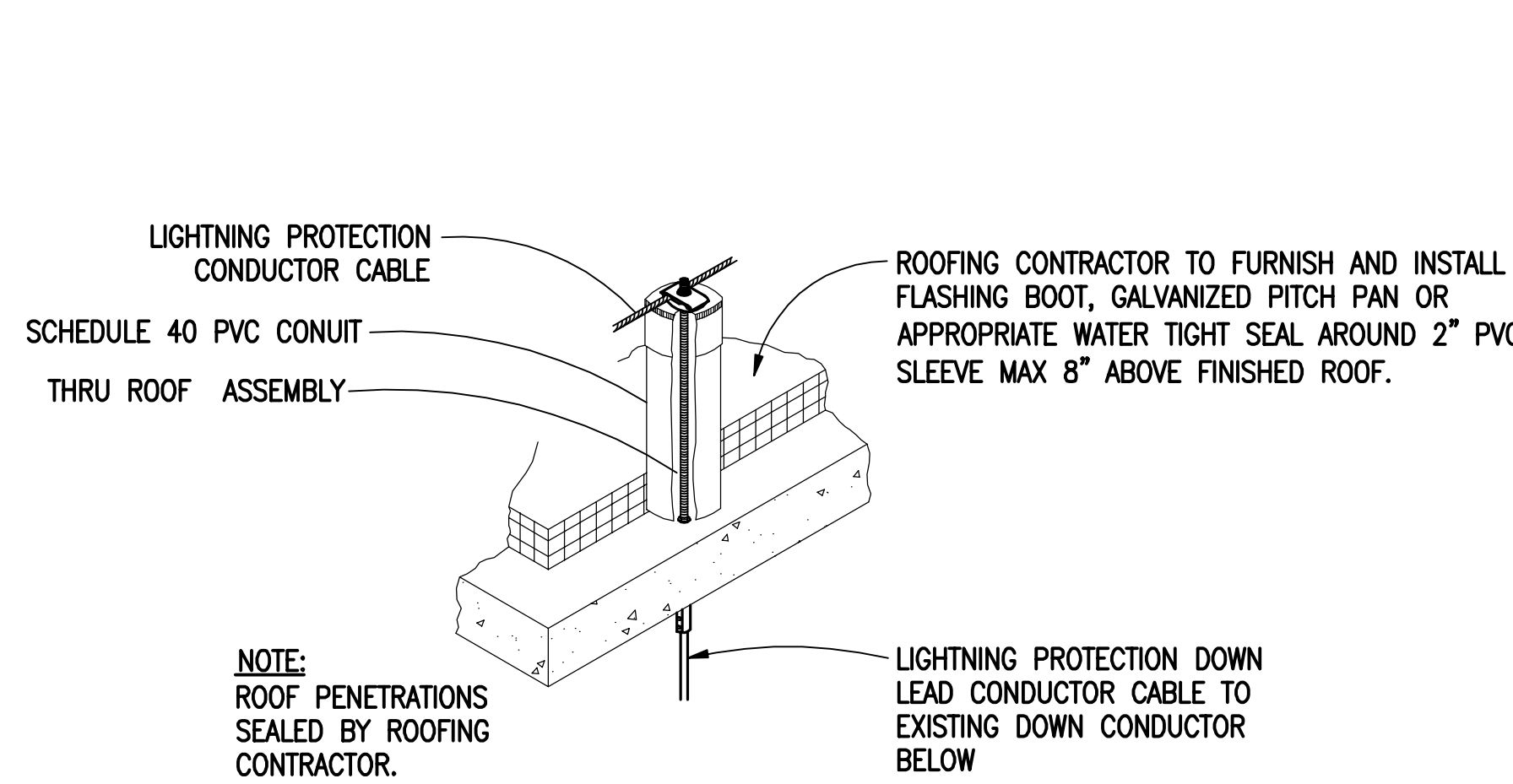


Drawing File: W:\2013\15123-VA Shreveport 3rd and 4th Floor Drawings\5123 EP 103 ROOF NEW.dwg
Plotted by: jgleland
Plotted Date: Apr 20, 2015 - 10:09am

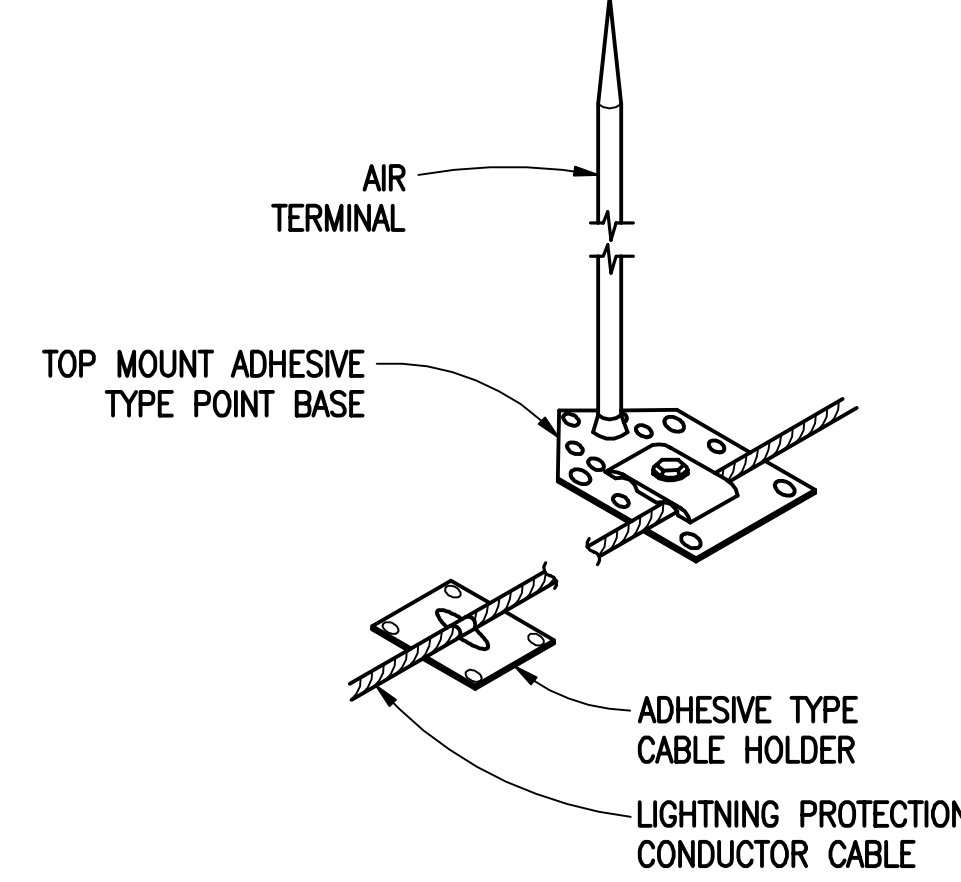
one-eighth inch = one foot
one-quarter inch = one foot
three-eighths inch = one foot
one-half inch = one foot
three-quarters inch = one foot
one inch = one foot
one and one-half inches = one foot
three inches = one foot
A
B
C
D
E
F



**LIGHTNING PROTECTION
SYSTEM ARIAL WITH SADDLE BASE**
SCALE: NONE



**LIGHTNING PROTECTION
SYSTEM THROUGH ROOF ASSEMBLY DETAIL**
SCALE: NONE

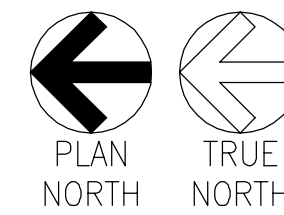
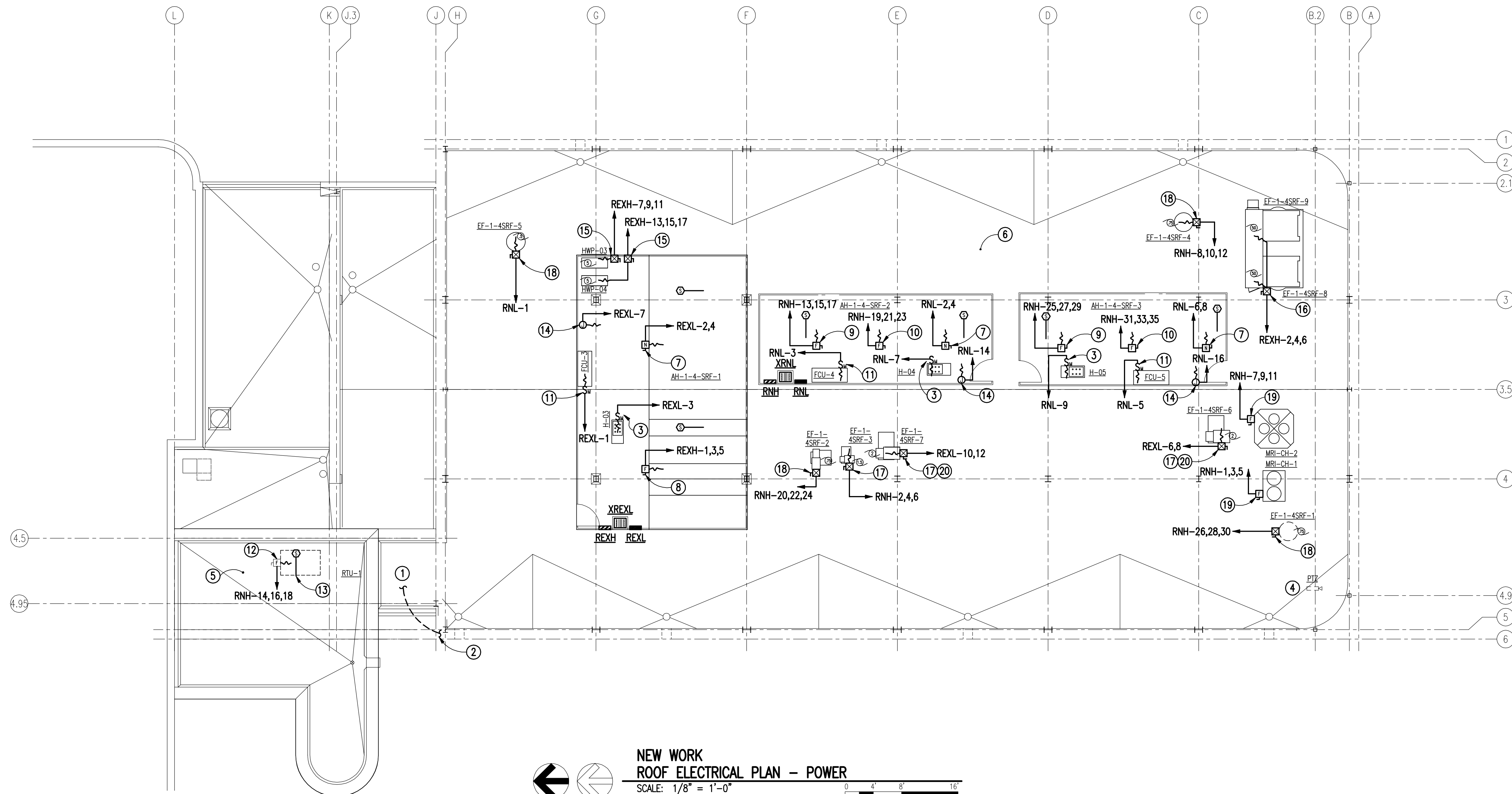


**LIGHTNING PROTECTION
SYSTEM ADHESIVE BASE DETAIL**
SCALE: NONE

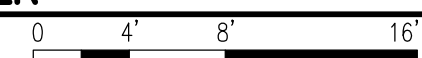
LIGHTNING PROTECTION NOTE:
PROVIDE AIR TERMINALS AT ALL CORNERS OF BUILDING, INCLUDING CORNERS OF RAISED STRUCTURES ON SECOND FLOOR LEVEL, 16' ON CENTER AROUND PERIMETER OF BUILDING ROOF, AND AT ALL ROOF MOUNTED HVAC EQUIPMENT. PROVIDE AIR TERMINAL ROOF CONDUCTORS, DOWN CONDUCTORS, GROUND RODS, AND GROUND LOOP CONDUCTORS AS NECESSARY TO MEET LPI-175, NFPA-780, UL-96, AND UL-96A. PROVIDE A COMPLETE LIGHTNING PROTECTION SYSTEM WITH LPI SYSTEM CERTIFICATION AND UP MASTER LABEL. REFER TO SPECIFICATIONS SECTION 284100 FOR ADDITIONAL INFORMATION. PROVIDE COMPLETE SHOP DRAWINGS BEFORE BEGINNING WORK.

GENERAL NOTES:
A. ELECTRICAL LOCATIONS ARE DIAGRAMMATICAL. EXACT MOUNTING LOCATIONS OF ALL ELECTRICAL EQUIPMENT SHALL BE COORDINATED AND FIELD VERIFIED, AS TO NOT INTERFERE WITH OPERATION OR ACCESS TO HVAC EQUIPMENT, OR OTHER EQUIPMENT, AND FOR EXACT EQUIPMENT LOCATIONS.
B. CONTRACTOR SHALL MAKE ALL CONNECTIONS TO EQUIPMENT AS REQUIRED FOR COMPLETE OPERATION.
C. WHEN VFD'S ARE PROVIDED WITH THE HVAC EQUIPMENT, CONTRACTOR SHALL ROUTE POWER CONNECTION TO EQUIPMENT THROUGH VFD AND MAKE ALL CONNECTIONS.

- NOTES:**
(THIS SHEET ONLY)
- ROUTE CLASS II CONDUCTORS IN 1-1/4" SCH. 80 PVC CONDUIT DOWN WALL TO EXISTING DOWN CONDUCTOR IN SECOND FLOOR CEILING.
 - CONDUCTOR DOWN FROM FOURTH FLOOR ROOF LIGHTNING PROTECTION.
 - PROVIDE MOTOR RATED SWITCH FOR POWER TO HUMIDIFIER.
 - RELOCATED PTZ CAMERA FROM EXISTING ROOF. RELOCATE TO NEW ROOF AND PROVIDE CONDUIT AND CONDUCTORS TO EXISTING EQUIPMENT IN SPACE 1-W-26.
 - THIS ROOF IS ABOVE ELEVATOR EQUIPMENT ROOM, AT DIFFERENT ELEVATION AS ROOF ABOVE 4TH FLOOR.
 - THIS ROOF IS ABOVE 4TH FLOOR ADDITION.
 - 30 AMP/2 POLE NON-FUSED DISCONNECT FOR POWER CONNECTION TO LIGHTING, UV LIGHTING, AND OTHER 120V POWER CONNECTIONS AT AHU.
 - 200 AMP/3 POLE FUSED DISCONNECT, FUSED AT 110 AMPS. MAKE ALL CONNECTIONS TO SUPPLY FAN SECTION OF AHU-3.
 - 60 AMP/3 POLE DISCONNECT, FUSED AT 60 AMPS. MAKE ALL CONNECTIONS TO SUPPLY FAN SECTION OF AHU-4/AHU-5.
 - 30 AMP/3 POLE FUSED DISCONNECT, FUSED AT 20 AMPS. MAKE ALL CONNECTIONS TO RETURN FAN SECTION OF AHU-4/AHU-5.
 - PROVIDE MOTOR RATED SWITCH FOR POWER CONNECTION TO FCU.
 - EXISTING 30 AMP/3 POLE/NEMA 3R FUSED DISCONNECT, FUSED AT 20 AMPS. COORDINATE AND MAKE ALL CONNECTIONS TO TO ROOF TOP MOUNTED RTU-1. PROVIDE AT ROOF.
 - DUCT DETECTOR IN THE RETURN OF THE HVAC UNIT ON ROOF OF ELEVATOR PENTHOUSE.
 - POWER CONNECTION FOR DDC PANEL.
 - SIZE 1 STARTER/15 AMP, COMBINATION STARTER/MOTOR CIRCUIT PROTECTOR IN NEMA 3R ENCLOSURE.
 - SIZE 3 STARTER/100 AMP, COMBINATION STARTER/MOTOR CIRCUIT PROTECTOR IN NEMA 3R ENCLOSURE. ONLY 1 FAN SHALL RUN AT ANY 1 TIME.
 - SIZE 1 STARTER/7 AMP, COMBINATION STARTER/MOTOR CIRCUIT PROTECTOR IN NEMA 3R ENCLOSURE.
 - SIZE 0 STARTER/3 AMP, COMBINATION STARTER/MOTOR CIRCUIT PROTECTOR IN NEMA 3R ENCLOSURE.
 - 100 AMP/3 POLE/NEMA 3R FUSED DISCONNECT, FUSED AT 70 AMPS.
 - PROVIDE WITH PADLOCK.



**NEW WORK
ROOF ELECTRICAL PLAN - POWER**
SCALE: 1/8" = 1'-0"



Revisions:	Date

CONSULTANTS:
CLARK•NEXSEN
440 MARTIN LUTHER KING, JR. BLVD. MACON, GA 31201 478-743-8415 FAX 478-743-8239 WWW.CLARKNEXSEN.COM



ARCHITECT:
TOLAND MIZELL MOLNAR
590 Means Street NW, Suite 200 Atlanta, GA 30318 404.214.9774

Drawing Title:
NEW WORK ROOF ELECTRICAL PLAN - POWER
Approved: Project Director

Project Title:
EXPAND RADIOLOGY AND SPS OVERTON BROOKS VAMC
Location:
SHREVEPORT, LA
Date:
04-17-2015
Checked:
CBC
Drawn:
SJB

Project Number:
667-083
Building Number:
1
Drawing Number:
EP103
Dwg. 151 of 160

FINAL SUBMITTAL
OFFICE OF CONSTRUCTION AND FACILITIES MANAGEMENT
VA U.S. Department of Veterans Affairs